

BID SOLICITATION NOTICE

TO RECEIVE A BID PACKAGE, BIDDERS MAY EITHER DOWNLOAD THE REQUEST FOR BIDS ("RFB") FROM THE AUTHORITY'S WEBSITE AT <http://www.state.nj.us/turnpike/purchasing.html> OR REQUEST A BID BY COMPLETING THIS FORM AND FAXING IT TO THE NUMBER STATED BELOW. FOR RECORD KEEPING PURPOSES, THE AUTHORITY REQUESTS THAT THE BIDDER COMPLETE THIS FORM AND RETURN IT TO THE PROCUREMENT AND MATERIALS MANAGEMENT DEPARTMENT, EVEN WHEN A BIDDER IS DOWNLOADING THE RFB. THIS IS THE ONLY NOTICE OF BIDDING FOR THE FOLLOWING GOODS.

THE NEW JERSEY TURNPIKE AUTHORITY PROCUREMENT AND MATERIALS MANAGEMENT DEPARTMENT

New Jersey Turnpike Administrative Offices
P.O. Box 5042, 581 Main Street
Woodbridge, New Jersey 07095-5042
Tel. - 732-750-5300 Ext. 8640 Fax - 732-750-5399

TITLE: **TOWED-BEHIND SWEEPERS**
BID NO: **R-111176**
DUE DATE: **SEPTEMBER 30, 2014**
TIME: **11:00 AM**

SUBMIT BIDS BEFORE THE DUE DATE AND TIME STATED ABOVE TO THE ABOVE ADDRESS

BIDDER INFORMATION (PLEASE PRINT)

NAME OF BIDDING ENTITY

ADDRESS

CITY, STATE AND ZIP CODE

E-MAIL ADDRESS

REPRESENTATIVE TO CONTACT-NAME & TITLE

TELEPHONE NO

FEDERAL TAX I.D. NO. or TAXPAYER I.D. NO

FAX NO

☐

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_____ BUSINESS CORPORATION _____ PARTNERSHIP _____ INDIVIDUAL

_____ OTHER (SPECIFY) _____

SECTION I

A. INTRODUCTION

The New Jersey Turnpike Authority (the “Authority”) was created by an act of the New Jersey Legislature in 1948, known as the New Jersey Turnpike Authority Act (as amended and supplemented, “Act”). The Act authorizes the Authority to construct, maintain, repair, and operate the New Jersey Turnpike, to collect tolls, and to issue Turnpike Revenue Bonds or Notes, subject to the approval of the Governor, payable from tolls and other revenues of the Authority. On May 27, 2003, the Act was amended to empower the Turnpike to assume all powers, rights, obligations and duties of the New Jersey Highway Authority (the “Highway Authority”), which owned and operated the Garden State Parkway and PNC Bank Arts Center. On July 9, 2003, the Authority assumed all powers, rights, obligations and duties of the Highway Authority. The Authority currently operates both the Garden State Parkway (“GSP”) and the New Jersey Turnpike (“Turnpike”) (both roads are collectively referred to herein as the “Roadways”).

The Authority is governed by an eight member Board of Commissioners (“Board”). The Governor of New Jersey appoints each of its members and has the statutory authority to overturn an action of the Board by vetoing any Board action within 10 days of receiving the minutes of the meeting. The Board authorizes awards of all public contracts over \$35,000, except in cases where it has delegated authority to the Executive Director.

This bid solicitation is being conducted pursuant to the Authority’s enabling statute as found in N.J.S.A. 27.23-6.1 and Executive Order number 37 (Corzine 2006) and the regulations and policies of the Authority with regard to public bid procurement.

B. BIDDER GUIDELINES/CHECKLIST

BIDS THAT FAIL TO CONFORM TO THE FOLLOWING REQUIREMENTS MAY BE REJECTED:

1. The Request for Bids ("RFB"), including specifications and related bid documents ("Bids") must be received at or before the due date and time stated on the cover page at the following place: New Jersey Turnpike Authority, Administration Building, 581 Main Street, Woodbridge, New Jersey 07095. Late Bids will be returned unopened. Telephone or facsimile Bids will not be accepted.
2. The entity submitting a Bid ("Bidder") must provide one original and one copy of the Bid. The Bid must include all price information. Bid prices shall include delivery of all items F.O.B. destination or as otherwise provided. Price quotes must be firm through issuance of contract.
3. All Bid prices must be typed or written in ink. Quote the specified unit of measure. If bidding an alternate, provide detailed specifications.
4. All corrections, white-outs, erasures, re-striking of type, or other forms of alteration or the appearance of alteration, to unit and/or total prices must be initialed in ink by the Bidder.
5. The Bidder must attend the mandatory site inspection at the following date(s) and time(s) if applicable:
6. If checked this RFB requires the following mandatory document(s) or the Bid **will** be rejected:
 - (a) Bid Bond or Cashier's Check for 10% of the amount Bid or a Letter of Surety ☒
 - (b) Stockholder/Partnership Disclosure Statement ☒
7. See the Authority's Instruction to Bidders for a complete list of the Authority's standard contract Terms and Conditions, as well as required forms that must be included with the Bid (**ATTACHED**).

The following checked documents are required for this Bid. Failure to submit the required forms may result in the rejection of the Bid.

- (a) State of New Jersey Division of Revenue Business Registration Certificate ☒
 - (b) Certification of Registration with the Secretary of State (only if non-NJ corporation) ☒
 - (c) Acknowledgement of requirement for Disclosure of Political Contributions (ELEC) ☒
 - (d) Public Works Contractor Registration Certificate(s) (if applicable) ☐
 - (e) Affirmative Action Information Sheet with Certificate or Form AA302 ☒
 - (f) Signed Mandatory Equal Employment Opportunity Language ☒
 - (g) SBE/WBE/MBE Certificates and Form ☒
 - (h) Vendor Disclosure Form (EO129-Location of Services) ☒
 - (i) Notice of Set-Off for State Tax (P.L. 1999, c 159) ☒
 - (j) Automobile Insurance Liability Waiver ☐
 - (k) Insurance Certificate ☒
 - (l) Disclosure of Investment in Iran ☒
8. Bidder must sign Bid ☒
 9. Three year Open Option Clause ☒

SECTION II

A. INTENTION

1. Sealed Bids for **R-111176** must be received at the New Jersey Turnpike Authority Administrative Offices, 581 Main Street, Woodbridge, New Jersey 07095-5042, by the due date and time stated on the cover page of this “RFB” at which time and place said Bid will be opened and read in public.
2. Bidders mailing Bids should allow for their normal mail delivery time to ensure timely receipt of the Public Bids. **Please be advised that using an overnight/next-day delivery service does not guarantee overnight/next-day deliveries to our location. The Authority will not be responsible for any Bid not being received by the required date and time.**
3. It is the intention of the Authority to issue a purchase order or notice of award for a price agreement for the procurement of **TOWED-BEHIND SWEEPERS**.
4. Items purchased under this contract will be delivered as directed by the Authority.
5. Please contact Richard Bava with any questions regarding this procurement contract at 732-750-5300 x-8636, or rbava@turnpike.state.nj.us.

B. BID SHEET INSTRUCTIONS

1. Bidders must follow all instructions in this RFB and in the Instructions to Bidders issued by the Authority, and any other documents issued by the Authority in connection with this RFB (collectively, “Bid Documents”).
2. Bidders must examine the bid documents carefully before bidding and must ask the Director of Procurement and Materials Management Department (“PMM”) in writing for any interpretation or correction of any apparent ambiguity, inconsistency or apparent error therein. If necessary, an interpretation or correction to the specifications shall be issued by the Director of PMM in response to inquiries and/or addendum shall be faxed to Bidders who have obtained the Bid Documents. Upon the issuing of an addendum, the addendum shall become part of the bid documents. **Requests for interpretation or correction shall be considered only if received at least 5 business days prior to the Bid opening date.**
3. Written requests can be submitted by FAX at 732-750-5399.
4. The submission of the Bid is conclusive evidence that the Bidder is fully aware of the conditions, requirements, and details as stated in the Bid Documents. If the Bidder, prior to submitting its Bid, fails to notify the Director of PMM of the existence of an ambiguity or inconsistency in the Bid Documents, a Bid will conclusively be presumed to have been based upon the Authority’s interpretation of such ambiguity or inconsistency.

5. All erasures, interpolations or other physical changes on the Bid form shall be signed or initialed by the Bidder. Bids containing any conditions, omissions, erasure's, alterations, or items not called for in this "RFB" or irregularities of any kind, may be rejected by the Authority, in its sole discretion.

The Bidder shall not attach conditions, limitations or provisos to their Bid, except in cases where "exceptions" are permitted.

6. **The Authority will accept Approved Equivalent items on this Bid.** If a Bidder is basing the proposal on items other than what is specified, and wishes the items proposed to be considered as an "Approved Equivalent", the Bidder shall enter a price on the Bid sheet then submit on the Exception Sheet in the exact format of the line item on the RFB contained herein, the item number, an item description including manufacturers name, model number, informational brochure(s), and packaging quantities of those items that the Bidder proposes to substitute.

C. BASIS OF AWARD

1. **Bidders must supply a price for every item listed. Bids not having a price for all listed items may be rejected.**
2. **Bidders must quote only one price per line item. If a Bidder quotes multiple prices per line item, the Bid may be rejected.**
3. The Authority will purchase amounts of any given item as needed, at the sole discretion of the Authority and shall not be bound by any quantities listed. The Authority reserves the right to make reasonable increases or decreases to line item quantities.
4. All items are to be Bid FOB Destination. All shipping, handling, and other costs should be considered in the Bid price.
5. The Authority is tax exempt from New Jersey Sales and Excise Tax.
6. Award will be made to the lowest responsive Bidder for the total line items Bid.

D. MISCELLANEOUS

1. Delivery Date _____
(Insert if applicable)
2. Payment Terms: The Authority's standard payment terms are Net 30 days. Prompt payment discounts may be offered and must be a minimum of 10 days.
3. Discount: Maximum time period: _____ Percentage: _____

Note: Although prompt payment discounts will not be considered in determining low Bid, the Authority reserves the right to take advantage of any such discounts offered.

BID PRICE SHEET

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL DOLLAR AMOUNT
1	6	EA	TOWED-BEHIND SWEEPERS, AS PER ATTACHED SPECIFICATIONS	\$	\$

ANY INQUIRIES CONCERNING THIS BID MUST BE SENT VIA FAX TO 732-750-5399
NO LATER THAN FIVE (5) BUSINESS DAYS BEFORE BID OPENING

NEW JERSEY TURNPIKE AUTHORITY

Andrea E. Ward
Director, PMM Department

_____/_____
Name of Company / Authorized Signature of Bidder

E. SIGNATURE PAGE

1. **ADDENDA / INQUIRIES:** COMPLETE (if applicable) BEFORE SUBMITTING BID:

Receipt of Addendum/Inquiries # _____ dated _____ is hereby acknowledged.

Receipt of Addendum/Inquiries # _____ dated _____ is hereby acknowledged.

☐

CHECK BOX IF NO ADDENDA/INQUIRY ISSUED

(All Addenda / Inquiries must be acknowledged as indicated above.)

2. **BID IRREVOCABLE:** This offer shall be irrevocable for ninety (90) working days after the date on which the Authority publicly opens this Bid except in those instances where an unsuccessful Bidder has filed a bid protest pursuant to N.J.A.C. 19:9-2.12. Upon notification of a protest, Bidders are required to hold their prices for an additional 90 days. All Bidders will be notified in writing of the action taken by the Authority.
3. **OFFER/CERTIFICATION:** The undersigned offers and agrees to furnish to the New Jersey Turnpike Authority the services and/or materials in compliance with all terms, conditions, specifications and addenda of the RFB, Bid Documents, and resulting contract. The undersigned further certifies understanding and compliance with the requirements of the standard terms and conditions as stated in the Instructions to Bidders included with the Bid Documents. The undersigned certifies that he or she executes this Bid with full authority so to do; and that all statements contained in this Bid and in this certification are true and correct, and made with full knowledge that the Authority relies upon the truth of the statements contained herein and in any statements requested by the Authority showing evidence of qualifications in awarding the contract.

I certify that the foregoing statements made by me are true. I am aware that if any of the foregoing statements made by me are willfully false, I am subject to punishment.

4. **AUTHORIZED SIGNATURE:** _____

Print Name and Title: _____

Bidder: _____

Address: _____

City _____ State _____ Zip: _____

E-mail address: _____

Telephone #: _____ Fax #: _____

Date: _____

SECTION III

NO RESPONSE BID SURVEY

BID REQUISITION NUMBER: R-111176

BID TITLE: TOWED-BEHIND SWEEPERS

If you do not choose to respond to this Bid, please complete the form below:

Name of Company _____

Reason you did not respond (Check all that apply):

_____ Cannot supply product or service

_____ Cannot meet technical specifications

_____ Cannot meet delivery specifications

_____ Cannot meet legal requirements
(i.e. Bid/performance/security/insurance, etc.)

_____ Cannot provide a competitive price at this time

_____ Interested in receiving specifications for informational purposes only

_____ Insufficient lead time to respond

_____ Other:(please be specific) _____

_____ Do you wish to remain on our mailing list?

_____ Yes _____ No

Additional comments: _____

Signed (optional): _____

Company: _____

ADDITIONAL YEARS PURCHASING OPTION, for R-111176

BID TITLE: TOWED-BEHIND SWEEPERS

3 - Year Open End Option: The Authority shall have the option for one (1) Model Year* from the date of Contract, to order additional units conforming to the requirements of these specifications at the same price and under the same terms and conditions as those contained herein.

The Authority shall further have the option to purchase additional units conforming to these specifications for two (2) additional Model Years. Any unit(s) offered during the two (2) subsequent Model Years shall be of the model equivalent to that specified herein. In the latter instances, if there have been any price changes, the vendor shall submit a request to the Authority covering the aforesaid price changes, and shall include appropriate explanation and justification for any such price changes.

Any such request for price adjustment shall be in writing and directed to the Director, Procurement and Materials Management Department and shall be accompanied by the following evidence as a basis for your request;

1. The published price lists for equipment, which were in effect at the time of your original proposal.
2. The equivalent published price lists in effect at the time of your request.
3. Any additional evidence which the Authority deems necessary in the evaluation of your request.

The Authority shall, within its sole discretion, have the right to accept the price changes proposed by the vendor or if it so desires, re-bid the requirement.

*Model Year is defined as the Model Year of the Manufacturer of the unit(s) offered by you in this Request for Quotation. In that instance where proposals are for equipment for which "Model Year" and "Production Cut-Off Dates" are undefined or non-existent, the "Model Year" is defined, for bid purposes, as one calendar year from the date on which the Contract is accepted. The last date on which orders may be placed for the Model currently in effect is_____.

NEW JERSEY TURNPIKE AUTHORITY

GENERAL INSTRUCTIONS AND SPECIFICATIONS FOR: TOWED - BEHIND SWEEPER

Quantity	Description	Maximum Delivery Date
6	Towed-Behind Sweeper	45 Calendar Days After Receipt of Order

SPECIFICATIONS: TBS-2014: TOWED BEHIND SWEEPER

COMPLIANCE WITH RULES AND REGULATIONS: The unit and associated equipment furnished must comply with all Federal and State Motor Vehicle Safety Laws and Regulations and shall be capable of passing the New Jersey State Motor Vehicle Inspection Laws, where applicable.

ENERGY STAR REQUIREMENTS: If applicable for items specified in bid package, the vendor must provide products that earn ENERGY STAR and meet the ENERGY STAR specifications for energy efficiency. The vendor is encouraged to visit energystar.gov for complete product specifications and updated lists of qualifying products. The ENERGY STAR label must also be affixed to each delivered item. The bidder's signature on the signature page certifies that items so indicated that have earned ENERGY STAR and meet the ENERGY STAR specifications or other standards for energy efficiency will be supplied.

ERRORS AND OMISSIONS: Inadvertent omissions or errors in the attached specifications must be brought to the attention of the New Jersey Turnpike Authority's Director of Procurement and Materials Management at 732-750-5300 before bid submission date. If, with knowledge of such error or omission and prior to the correction thereof, the bidder proceeds with any work affected hereby, they shall do so at their own risk and the work so done shall not be considered as work done under and in performance of this Agreement unless and until approved and accepted.

DELIVERY INSTRUCTIONS:

- A. Vendor must contact Peter Perperas (Project Supervisor) at 732-442-8600 ext. 2868 for authorization to schedule date and time prior to delivery. **Deliveries shall be made to the NJTA Garden State Parkway Division Telegraph Hill Central Maintenance Facility located at GSP Exit 116 in Holmdel, NJ 07733.**
- B. Vendor shall be responsible for all delivery, shipping and pick-up expenses.
- C. All units must be pre-delivery serviced, completely assembled, operational, and cleaned prior to delivery.

D. The following administrative package **must** accompany all deliveries:

- **Certificate of Origin**: stamped “Sales Tax Satisfied” and shall be made out to New Jersey Turnpike Authority, 581 Main St. Woodbridge, NJ 07095. Certificate of Origin shall have current date and be hand delivered to Peter Perperas after final acceptance of complete order.
- **Invoice**: purchase order number must be displayed on vendors invoice. Invoice shall have current date and be hand delivered to Peter Perperas after final acceptance of complete order.
- Warranty forms properly executed.
- Four (4) keys, keyed alike for the control boxes, battery compartments, and any other enclosed compartments shall be furnished for each sweeper.
- Delivery of all units fully completed and fully compliant shall be made no later forty-five (45) calendar days after receipt of Purchase Order. **NO EXCEPTIONS**

WARRANTY: All units delivered must be guaranteed to be free from defects in materials, design and workmanship for a minimum of one (1) year from the time of acceptance by the New Jersey Turnpike Authority. All warranties shall start upon written acceptance of units by the New Jersey Turnpike Authority. Warranty must include service availability from any manufacturers authorized dealer establishment most closely located to Parkway and Turnpike area. This repair facility may not be further than 100 miles from Telegraph Hill Central Maintenance Facility in Holmdel, NJ 07733 or Central Shops Maintenance Facility located in Hightstown, NJ 08520. If warranty service is required, the vendor who supplied the unit shall provide for pickup, delivery and repair of unit at no charge to the New Jersey Turnpike Authority. The vendor shall also have a program to include an in-house warranty. All warranty periods shall start from date of acceptance of unit by the New Jersey Turnpike Authority.

EXCEPTION SHEET: Bidders taking exceptions must note exceptions by item and indicate substitution in lieu and submit with bid, detailed specifications on the substitution. If the vendor is submitting an alternate product, component, feature or part to what is referenced in the specifications, the proposals **must** be accompanied by descriptive literature, marked and indicate the exact items to be furnished, with an engineering drawing of the same. **Failure to supply information requested may result in rejection of bid.** Where no exception is taken, the word “None” shall be neatly printed or typed on the exception sheet. **Failure to supply information and/or failure to complete the bidder’s exception spaces in the prescribed manner may disqualify bid. It shall be understood that if no exception is taken, the vendor shall supply all material exactly as specified. No substitution will be permitted after receipt of bids.**

UNIT INFORMATION FORM: Vendor shall complete the entire Unit Information Form. **Failure to complete form may result in rejection of bid.**

TRAINING: It shall be the responsibility of the successful bidder to supply all safety, operational and service training to New Jersey Turnpike Authority personnel in accordance with all applicable ANSI and OSHA regulations. The safety and operational training shall consist of a complete review and understanding of the manufacturer's owner manual, along with actual operation of equipment. The instructor shall emphasize all proper uses for safe operation. The training shall be scheduled and take place at two (2) sites consisting of at least eight (8) hours at each site designated by the New Jersey Turnpike Authority.

LABELS: Plastic stick-on labels shall not be acceptable.

ADVERTISEMENTS: No Dealer advertisements shall appear on unit.

ACCESSORIES: All accessories shall be manufacturer installed when the item is available from the manufacturer.

FACILITIES: Bidders shall represent a manufacturer, which has in operation a factory adequate for the manufacture of the equipment, which it proposes to furnish. The manufacture(s) whose associated equipment or products are bid shall have a full service warranty and parts supply facility that can guarantee availability of parts within 24 hours after telephone order and shall be located within a 100 mile radius of either Central Shops Maintenance Facility (exit 8 on the NJ Turnpike) located in Hightstown, NJ 08520 or Telegraph Hill Central Maintenance Facility (exit 116 on the GSP) located in Holmdel, NJ 07733. This facility will be required to establish an in-house warranty program and provide all warranty work related to the equipment in the bid proposal. The bidder shall submit the locations, names and telephone numbers of people who are authorized to service the equipment or who can be reached for emergency service.

Location_____

Phone #_____

Contact_____

Name & Title

**SPECIFICATIONS: TBS-2014
TOWED - BEHIND SWEEPER**

INTENT: The intent of this specification is to describe and govern the purchase of a 2014 or new current model heavy-duty towed behind sweeper. The complete unit shall be new and of the latest design and be in current production at the time of the submission of bid. All standard and optional equipment shall be Original Equipment Manufacturer (OEM) items when available. **NO EXCEPTIONS**

BIDDER'S INSTRUCTIONS

IT SHALL BE THE BIDDER'S RESPONSIBILITY TO CAREFULLY EXAMINE EACH ITEM OF THE SPECIFICATION. BIDDERS MUST INDICATE WHETHER THEY COMPLY OR NON-COMPLY FOR EACH LINE ITEM IN THE SPECIFICATION. FAILURE TO PROVIDE A COMPLETED BID MAY CAUSE REJECTION OF BID. ALL NON-COMPLY RESPONSES AND/OR BIDDERS PROPOSED "APPROVED EQUIVALENTS" MUST BE FULLY EXPLAINED ON EXCEPTION FORM, NOTING SECTION AND ITEM. FAILURE TO EXPLAIN NON-COMPLY RESPONSES OR FAILURE TO SUPPLY DETAILED LITERATURE/BROCHURES ON THE BIDDERS PROPOSED "APPROVED EQUIVALENTS" MAY CAUSE REJECTION OF BID. WHERE "MINIMUM/MAXIMUM" IS SPECIFIED, BIDDERS MUST PROPOSE AT LEAST THE MINIMUM/MAXIMUM SIZES OR THE BID MAY BE REJECTED.

GENERAL:	COMPLY	
	YES	NO
A. 2014 or new current model heavy-duty towed behind pickup sweeper.		
B. The complete unit shall be new and of the latest design and be in current production at the time of the submission of bid.		
C. All standard and optional equipment shall be Original Equipment Manufacturer (OEM) items when available. NO EXCEPTIONS		
D. Towed debris pickup machine shall be powered hydraulically by the towing vehicle supplied by the NJTA.		
E. The towed machine shall be designed to remove highway debris by mechanically lifting the debris into a hopper.		
F. Unit shall be capable of removing tire treads, mufflers, hub caps, cardboard, wood, paper, cans, and other miscellaneous debris found on highways.		
G. Speeds: <ul style="list-style-type: none">• Cleaning speed: 0-18 mph.• Towing speed: 65 mph.		

GENERAL:	COMPLY	
	YES	NO
DIMENSIONS (attached to an International 7400 “WorkStar” dump truck on level ground):		
A. Length: 16' approximate.		
B. Height: 8' approximate.		
C. Width: 8'6" maximum .		
D. Weight: 6,000 lbs.		
E. Hopper capacity: four (4) cubic yards.		
HYDRAULICS:		
A. Hydraulic source connection requirements shall conform to existing supply and return accommodations currently in place on NJTA equipment intended for granular material spreading without any modifications to NJTA equipment.		
B. NJTA dump trucks have the following hydraulic supply values: <ul style="list-style-type: none"> • Spinner outlet 7 gpm with a return inlet. • Auger outlet 14 gpm with a return inlet. • Main manifold pressure relief is set at 2,000 psi. Note: GPM and pressure requirements of the debris pick up machine shall be adapted to within the debris pick up machine without exception. No modification shall be made to the towing vehicle.		
C. Unit shall be equipped with a four function solenoid operated control valve.		
D. Valve shall deliver hydraulic oil to the conveyor/brush drive, conveyor elevation control, hopper raise, and hopper trip circuits.		
E. All hydraulic components shall be sized to operate when the trailer is loaded to maximum pay load capacity.		
F. Debris sweeper shall be towed by a NJTA vehicle that has its hydraulic capacity rating of 20 gpm.		
G. The fittings, tubing, and pipe used in the hydraulic system including low pressure side shall be either galvanized steel or brass.		
H. Stainless steel crimp style hose fittings and ends approved for hydraulic use shall be used.		
I. All flexible hoses or tubing used in hydraulic system shall be approved for hydraulic use and rated at maximum pressure for the system.		
J. All pressure hoses and fittings in the hydraulic system shall be rated not less than 2,500 psi.		
K. Hydraulic hoses shall be routed to avoid sharp edges or sharp turns.		
L. All hose fittings shall use NPT, JIC, or flat face “O” ring couplings.		
CONVEYOR & TINE MOUNTING HARDWARE:		
A. All bolts, nuts, and washers used to secure tines and mount cross bars on the elevating conveyor shall be made from stainless steel.		

GENERAL:	COMPLY	
	YES	NO
CONVEYOR:		
A. Unit shall be equipped with a bar flight type conveyor with double torsion tension tines to pick up and elevate debris into hopper.		
B. Four (4) rows of tines shall be made of stainless steel and be replaceable.		
C. The conveyor shall be chain driven with reduction drive.		
D. The drive chain and roller shaft shall be adjustable for alignment and tensioning purposes.		
DEFLECTOR:		
A. A moldboard type deflector shall be provided to deflect debris to the elevating portion of the conveyor.		
B. Deflector shall be at least 1/8" thick corrosion resistant steel.		
C. The deflector shall have rubber belting attached to the bottom and front to aid in funneling debris being removed.		
GUTTER BROOMS:		
A. Two (2) hydraulically driven gutter brooms shall be mounted in front of and to both sides of the conveyor system.		
B. Gutter brooms shall be connected directly to the brush plate.		
C. Brooms shall be 16" diameter and adjustable up, down, in, and out.		
D. Arms shall be shock-mounted.		
HOPPER:		
A. Hopper shall be designed to receive debris from the conveyor belt assembly.		
B. Hopper shall be capable of raising and dumping four (4) cubic yards of debris weighing up to 2,000 lbs. to any dumping height from five feet to eight feet.		
C. Hopper shall be constructed from a minimum of 10-gauge steel continuously welded.		
D. Drain holes shall be incorporated into hopper.		
CONTROLS:		
A. Powered by the towing vehicles electrical system, supplied by the debris pick up machines trailer frame mounted weatherproof junction box; power supply for the hand held control shall be connected to the 12v stud within the weatherproof junction box. All power requirements for the debris pick up machine shall not exceed the load protection or load rated wiring currently supplied with each of the NJTA vehicles, this includes the breakaway system.		
B. Hand held remote control box shall be provided and designed for use from the NJTA tow vehicle.		
C. Hand held remote control box shall incorporate the following: <ul style="list-style-type: none"> • Control to raise/lower unit between transport and work position. • Conveyor on/off. • Hopper raise/dump control switches. • In the event of a jam (hydraulic lift) both an audio sound shall beep 		

GENERAL:	COMPLY	
	YES	NO
and light shall display hydraulics are jammed.		
<ul style="list-style-type: none"> Provisions to store remote control cord and switch box and located in a position easily accessible while standing beside unit. 		
D. Remote control cord shall be powered by the trucks electrical system and extend from the towing eye.		
E. All switches on the control box shall be clearly labeled.		
FRAME:		
A. Frame shall be constructed of rigid welded structural steel tubing.		
B. Frame structure shall be adequately sized and rated to withstand shock and stresses.		
C. The sides shall have tubing welded in a scalene triangle skewed towards the rear of the machine.		
D. All intersections shall have continuous welds.		
AXLE, TIRES & WHEELS:		
A. The axle, tires, and wheels shall be adequately rated to meet the required GAWR of the debris pick up machine.		
B. One (1) spare tire shall be supplied with each unit ordered.		
C. Fenders shall cover rear tires.		
D. To (2) 16" diameter front solid rubber guide casters shall be supplied to carry part of the load during cleaning operation. Casters shall be adjustable up and down.		
TONGUE:		
A. Tongue shall have a lunette ring type adequately rated to meet the required GAWR of the debris pick up machine.		
B. The lunette ring shall be mounted in a manner to facilitate adjustment to provide for various height pintle hitches and must be compatible in size to match existing 6,000 lbs. vertical load and 30,000 lbs. gross trailer weight pintle hitches.		
MISCELLANEOUS:		
A. All bearings shall be protected by proper seals and shields.		
B. Chain guards covering conveyor chains. Top shield shall connect to these guards and cover top of conveyor. Chain case shall securely enclose the roller chain drive.		
C. All guards and/or shields covering moving parts shall be labeled identifying the covered hazard potential. All pinch hazards shall be warning labeled identified.		
ELECTRIC BRAKES:		
A. Unit shall be supplied with electric actuated drum brakes as recommended for the GAWR of the axle.		
B. The electric brake controller shall be provided by the towing vehicle.		
C. The brake system shall include a self-contained break-away system.		

GENERAL:	COMPLY	
	YES	NO
ELECTRICAL EQUIPMENT:		
A. All wiring installed shall be protected in vinyl plastic auto loom or conduit.		
B. Edges of metal that wires pass thru shall be deburred and bushed with suitable grommets.		
C. Adequate size gauge wire shall be used in accordance with SAE standards from the power source and load demand.		
D. Notwithstanding any Federal or State minimum requirements, without exception, each unit shall be equipped with two (2) shock mounted combination LED tail, stop, and turn lights.		
E. All debris pick up machine trailer wiring shall terminate in the frame mounted weatherproof junction box.		
F. Main power source cable/trailer cable shall be seven (7) wire. The wire shall be terminal connected to a frame mounted weatherproof junction box; the seven (7) wire cable shall also be secured to minimize sagging and abrasive movement.		
G. A non-metallic weatherproof seven (7) pole round pin trailer plug shall be installed on the trailer cable extending at least 24" beyond the trailer lunette ring and wired in accordance with the NJTA 7-pole trailer connector standard (see attached Specification: 7-PTC).		
SAFETY CHAINS:		
A. Two (2) $\frac{3}{8}$ " alloy safety chains shall be supplied.		
B. Safety chains shall be attached (welded) to each side of the tongue at least 18" rear of the lunette ring.		
C. Safety chain shall extend at least 24" beyond lunette ring.		
D. Safety chains shall have two (2) adequately rated clevis hooks with safety spring latches facilitating connection to the NJTA trucks D-rings.		
PAINT:		
A. All metal surfaces shall be pre-cleaned, primed, and painted in accordance with manufacturer specifications.		
B. Color: manufacturer's standard.		
MANUALS:		
A. One of each of the following manuals shall be supplied for each unit at time of delivery: <ul style="list-style-type: none"> • Operators • Service (include lubrication instructions) • Parts (including electrical system, mechanical system, and hydraulic system) • Repair (including electrical system, mechanical system, and hydraulic system) 		

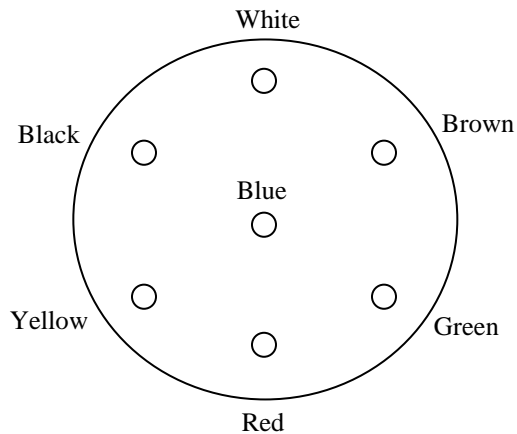
SPECIFICATIONS: 7PTC
7-POLE ROUND PIN TRAILER CONNECTORS ON TRUCKS AND TRAILERS

CONNECTOR MARKING COLOR

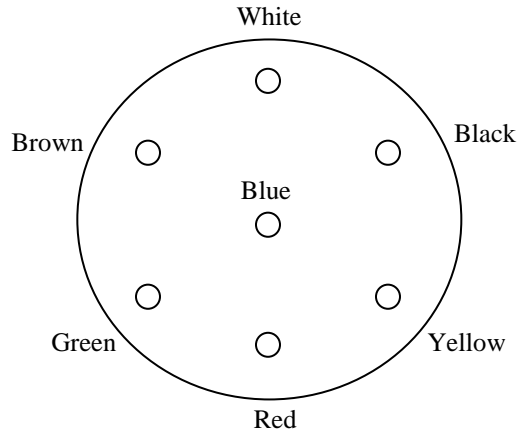
APPLICATION

WHITE.....	GROUND
BLACK.....	TAIL LIGHT
BROWN.....	TAIL LIGHT
YELLOW.....	LEFT TURN SIGNAL
GREEN.....	RIGHT TURN SIGNAL
RED.....	ELECTRIC BRAKE
BLUE.....	12-VOLT BATTERY- WITH 30-AMP AUTOMATIC BIMETAL THERMAL RESET CIRCUIT PROTECTION.

SOCKET MARKINGS



PLUG MARKINGS



FAILURE TO COMPLETE ALL AREAS MAY RESULT IN REJECTION OF BID

UNIT INFORMATION FORM

(Must be submitted by vendor with bid documents)

TOWED - BEHIND SWEEPER:

YEAR:_____

MAKE:_____

MODEL:_____

LENGTH:_____

WIDTH:_____

HEIGHT:_____

HOPPER CAPACITY:_____CUBIC YARDS

TIRE SIZE/TYPE/PLY:_____

SERVICING
AGENCY:_____

ADDRESS:_____

TELEPHONE #:_____

CONTACT:_____

Name & Title

[illegible]

Date _____